

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

PATENT

3/25/04
#26

Petition/w
Holding of Abn.

Applicant: Ryan et al. Examiner: Rodriguez, J.
Serial No.: 09/383,508 Group Art Unit: 3653
Appeal No.: 2003-0931
Filed: August 26, 1999 Docket No.: AMDA.389DIV1
Title: RETICLE SORTER

CERTIFICATE UNDER 37 CFR 1.10

Express Mail' mailing label number: EV 381019572 US

Date of Deposit: February 23, 2004

I hereby certify that this paper or fee is being deposited with the United States Postal Service 'Express Mail Post Office To Addressee' service under 37 CFR 1.10 and is addressed to Mail Stop Petition, Commissioner for Patents, P.O. Box 1450, Washington, D.C. 22313-1450.

By:

Name: Jennifer L. Larson

**PETITION TO WITHDRAW HOLDING
OF ABANDONMENT UNDER 37 C.F.R. §1.181 (MPEP § 711.03(c))**

Mail Stop Petition
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

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GROUP 3600

Applicant has recently received a Notice of Abandonment for the above-referenced application, which Applicant contends is in fact not abandoned. Though believed unnecessary due to the evidence, as presented below and attached, **authorization is given to charge Deposit Account 01-0365 (TT2354-DIV) any required fee to enter this Petition.**

Applicant hereby petitions to withdraw the holding of abandonment of this patent application under Appeal, and furthermore submits that in fact the Amendment After Appeal Under 37 C.F.R. § 1.196(c) was timely-submitted.

The facts are as follows:


1. The Decision on Appeal was mailed on November 5, 2003, by the Board of Patents Appeals and Interferences (attached Exhibit A), with right given to Appellant to amend the claims.
2. Pursuant to the recommendation in the Decision on Appeal, Applicants' Attorney of Record filed an Amendment After Appeal Under 37 C.F.R. § 1.196(c) by U.S. Mail on November 24, 2003, along with a return postcard (attached Exhibit B).
3. Applicants' Attorney of Record received, by mail, the return postcard with a stamped date of December 1, 2003, from the U.S. Patent and Trademark Office (attached Exhibit C).
4. Applicants' Attorney of Record received an erroneous Notice of Abandonment dated February 12, 2004 for alleged failure to seek court review of the decision by the Board of Patent Appeals (attached Exhibit D).

In conclusion, Appellant contests that there has been **no** delay in submitting the Amendment After Appeal and requests that the Holding of Abandonment be withdrawn for this Patent Application under Appeal, and this application be returned to and reinstated with the Board of Patent and Appeal and Interferences.

Thank you for your careful consideration of this matter. Please contact the undersigned attorney directly with any questions regarding this Petition.

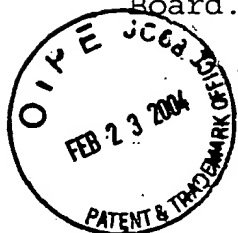
Respectfully submitted,

CRAWFORD MAUNU PLLC
1270 Northland Drive – Suite 390
St. Paul, MN 55120
(651) 686-6633

By: 
Name: Robert J. Crawford
Reg. No.: 32,122

gk

The opinion in support of the decision being entered today was not written for publication and is not binding precedent of the Board.



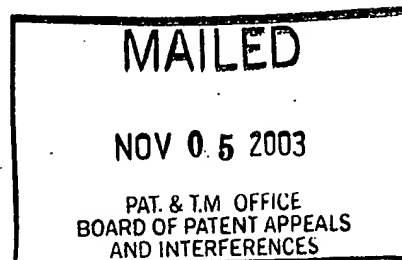
Paper No. 23

UNITED STATES PATENT AND TRADEMARK OFFICE

BEFORE THE BOARD OF PATENT APPEALS
AND INTERFERENCES

Due 1/5/04

Ex parte PATRICK J. RYAN,
MICHAEL R. CONBOY
and STEPHEN P. HOVESTOL



CRAWFORD PLLC

CLIENT REF. NO. IT2354D
DATE SENT 11-21-03
INITIALS RTC/KW

Appeal No. 2003-0931
Application 09/383,508

ON BRIEF

Before MCQUADE, NASE, and BAHR, Administrative Patent Judges.

Per curiam.

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DECISION ON APPEAL

Patrick J. Ryan et al. appeal from the final rejection
(Paper No. 16) of claims 1 through 4, 6 through 12 and 19, all of
the claims pending in the application.

THE INVENTION

The invention relates to "a semiconductor fabrication
facility employing one or more reticle sorters" (specification,
page 1).¹ Representative claims 1, 10 and 19 read as follows:

¹ A reticle is a mask having clear and opaque features corresponding to a pattern to be created in a photolithography process (see page 1 in the specification).

Exhibit A

1. A reticle sorter coupled between a reticle storing system and one or more photolithography exposure tools, comprising:
one or more bays adapted for holding a cassette having slots for reticles;
a sorting system adapted for retrieving the reticles from and inserting the reticles into the slots in order to sort the reticles within the cassette; and
an inspection system, coupled between the one or more bays and an input port of the reticle sorter, for inspecting a characteristic of each reticle.

10. The reticle sorter of claim 1, wherein the sorting system includes two or more docking locations.

19. A reticle sorter coupled between a reticle storing system and one or more photolithography exposure tools, comprising:
one or more bays adapted for holding a plurality of cassettes having slots for reticles; and
a sorting arrangement adapted for retrieving the reticles from and inserting the reticles into the slots so as to sort the reticles between cassettes.

THE REJECTION

Claims 1 through 4, 6 through 12 and 19 stand rejected under 35 U.S.C. § 112, second paragraph, as failing to particularly point out and distinctly claim the subject matter the appellants regard as the invention.

Attention is directed to the appellants' brief (Paper No. 20) and to the examiner's final rejection and answer (Paper Nos. 16 and 21) for the respective positions of the appellants and examiner regarding the merits of this rejection.²

² In the final rejection, claims 1 through 4, 6 through 12 and 19 also stood rejected under 35 U.S.C. § 112, first paragraph. Upon reconsideration, the examiner has withdrawn this rejection (see page 2 in the answer).

DISCUSSION

The explanation of the rejection in the final rejection and answer indicates that the examiner considers the scope of claims 1 through 4, 6 through 12 and 19 to be unclear due to the recitations of the "bays" in independent claims 1 and 19 and the "docking locations" in dependent claim 10.³ According to the examiner, these recitations are indefinite when considered in conjunction with the underlying specification.

The second paragraph of 35 U.S.C. § 112 requires claims to set out and circumscribe a particular area with a reasonable degree of precision and particularity. In re Johnson, 558 F.2d 1008, 1015, 194 USPQ 187, 193 (CCPA 1977). In determining whether this standard is met, the definiteness of the language employed in the claims must be analyzed, not in a vacuum, but always in light of the teachings of the prior art and of the particular application disclosure as it would be interpreted by one possessing the ordinary level of skill in the pertinent art. Id. When considered in light of the prior art and the application disclosure, claims otherwise indefinite may be found reasonably definite, and claims definite on their face may be found

³ Further mentions of the "bays" and "docking locations" appear in dependent claims 9 and 12 and dependent claim 11, respectively.

indefinite. In re Kroekel, 504 F.2d 1143, 1146, 183 USPQ 610, 612 (CCPA 1974).

In the present case, the summary of the invention on pages 2 and 3 in the appellants' specification mirrors the language employed in claims 1 and 19 by stating that the reticle sorter includes one or more "bays" each capable of holding a cassette having slots for reticles. In contrast, the detailed description of Figures 1, 2, 3A and 3B on pages 3 through 6 in the specification (1) refers to "bays" only with respect to Figure 1 which depicts a sorter-less prior art fabrication plant 100 including fabrication areas or "bays" 110 having tools for processing semiconductor wafers, and (2) portrays the reticle sorters 230 and 300 shown in Figures 2, 3A and 3B as having "docking locations" 310 (but no "bays") for holding cassettes, a "docking location" 350 for holding reticles, and an arm 330 (not a sorting system including two or more docking locations as recited in claim 10) for retrieving reticles from and inserting them into cassette slots. Finally, the detailed description of Figure 4 on pages 7 and 8 in the specification delineates a process flow for a sorter having both a cassette "docking location" and something called a "docking bay."

Notwithstanding the appellants' position to the contrary, the foregoing inconsistencies in the underlying specification involving the use of the terms "bays," "docking locations," "docking location" and "docking bay" justify the examiner's determination that the above noted recitations in claims 1, 10 and 19 relating to the bays and docking locations, read as they are required to be in light of the specification, render the scope of the appealed claims unclear.

We shall therefore sustain the standing 35 U.S.C. § 112, second paragraph, rejection of claims 1 through 4, 6 through 12 and 19.

Since the change of the word "bays" in claims 1 and 19 to either "docking locations" or "locations" in all occurrences of "bays" would overcome the rejection of claims 1 and 19 under 35 U.S.C. § 112, second paragraph, we exercise our authority under 37 CFR § 1.196(c) and give the appellants the right to amend claims 1 and 19 by amending all occurrences of the word "bays" to either "docking locations" or "locations." In addition, we further exercise our authority under 37 CFR § 1.196(c) by giving the appellants the right to amend claims 9 and 12 by amending the word "bays" to either "docking locations" or "locations." If the appellants choose to amend claims 1, 9,

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12 and 19 pursuant to our recommendation, we note that claims 10 and 11 would remain rejected under 35 U.S.C. § 112, second paragraph, for the reasons set forth above with respect to claim 10.

SUMMARY

The decision of the examiner to reject claims 1 through 4, 6 through 12 and 19 is affirmed. In addition, this decision contains a recommendation under 37 CFR § 1.196(c) giving the appellants the right to amend claims 1, 9, 12 and 19 by amending all occurrences of the word "bays" to either "docking locations" or "locations."

Appeal No. 2003-0931
Application 09/383,508

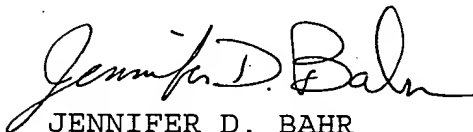
No time period for taking any subsequent action in
connection with this appeal may be extended under 37 CFR
§ 1.136(a).

AFFIRMED; 37 CFR § 1.196(c)



JEFFREY V. NASE
Administrative Patent Judge

)
) BOARD OF PATENT



JENNIFER D. BAHR
Administrative Patent Judge

) APPEALS AND
)
) INTERFERENCES
)

MCQUADE, Administrative Patent Judge, dissenting-in-part.

The majority's affirmance of the examiner's rejection is well founded for the reasons expressed above. The accompanying recommendations under 37 CFR § 1.196(c), on the other hand, are unwarranted and ill advised.

In the final rejection (Paper No. 16), the examiner invited the appellants to revise the claims (and implicitly the specification) to overcome the now affirmed 35 U.S.C. § 112, second paragraph, rejection. The appellants chose not to do so, and instead filed a response (Paper No. 17) insisting that the claims were definite as is because "it would be plainly apparent to the skilled artisan that the specification uses the terms 'bay' and the phrase 'docking location' interchangeably [sic] and synonymously" (page 2). In their brief (Paper No. 20), the appellants again urged that the claims were definite, but this time argued that "bays" were examples of "docking locations" (see page 2), that "the assertedly confusing limitations define different claim limitations, rather than the same feature" (page 5), and, in the same vein, that "the limitations are directed to two different features" (page 5). These inconsistencies in the appellants' arguments mirror the inconsistencies in the

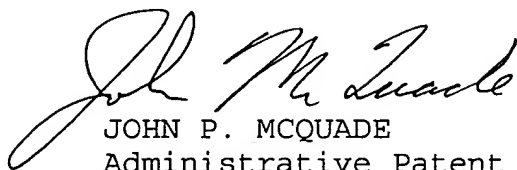
Appeal No. 2003-0931
Application 09/383,508

specification and claims which led to the examiner's rejection and the majority's affirmance thereof.

As the appellants chose to take this case to appeal without attempting to overcome the rejection by amendment, it is not clear why, now that the examiner's position has been validated on appeal, they are being afforded the right conveyed by the majority's action under 37 CFR § 1.196(c) to amend the claims 1, 9, 12 and 19 by changing "bays" to either --docking locations-- or --locations--. Furthermore, the above noted inconsistencies in what has been variously disclosed, claimed and argued by the appellants, considered with the fact that the appellants had previously amended claim 1 to change "locations" to "bays" (see Paper No. 7), cast substantial doubt on the majority's implicit determination, which is binding on the examiner, that claims 1 through 4, 6 through 9, 12 and 19 as so amended would particularly point out and distinctly claim the subject matter the appellants regard as their invention. This issue would be far better settled through continued prosecution before the

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Application 09/383,508

examiner rather than by the preemptive action taken by the
majority.



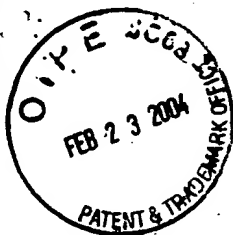
JOHN P. MCQUADE
Administrative Patent Judge

) BOARD OF PATENT
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) INTERFERENCES

JPM/kis

Appeal No. 2003-0931
Application 09/383,508

CRAWFORD PLLC
1270 NORTHLAND DRIVE
SUITE 390
ST. PAUL, MN 55120



NOTICE

**Board of Patent Appeals and Interferences Mail
Effective May 1, 2003**

Appeals

All correspondence in an application involved in an appeal to the Board of Patent Appeals and Interferences during the period from when an appeal docketing notice is issued until a decision has been rendered by the Board of Patent Appeals and Interferences as well as any hearing confirmations, waivers and requests for rehearing of a decision by the Board of Patent Appeals and Interferences should be mailed to:

**Board of Patent Appeals and Interferences
United States Patent and Trademark Office
P.O. Box 1450
Alexandria, Virginia 22313-1450**

Notices of appeal, appeal briefs, reply briefs, requests for oral hearing should be addressed to:

**Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450**

Interferences

All mail to the Board relating to patent interferences should be sent to the following address unless an administrative patent judge or the Board specifically requires the use of a different address after May 1, 2003:

**Mail Stop INTERFERENCE
Board of Patent Appeals and Interferences
United States Patent and Trademark Office
P.O. Box 1450
Alexandria, Virginia 22313-1450**

Any inquiries regarding the content of this notice should be directed to a Program and Resources Administrator of the Board of Patent Appeals and Interferences at (703) 308-9797.



PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant:	Ryan et al.	Examiner:	Rodriguez, J.
Serial No.:	09/383,508	Group Art Unit:	3653
Filed:	August 26, 1999	Docket No.:	AMDA.389DIV1
Title:	RETICLE SORTER		

CERTIFICATE UNDER 37 CFR 1.8: The undersigned hereby certifies that this correspondence and the papers, as described hereinabove, are being deposited in the United States Postal Service, as first class mail, in an envelope with sufficient postage addressed to: Mail Stop AF, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on November 24, 2003.

By: Erin M. Nichols
Erin M. Nichols

AMENDMENT AFTER APPEAL UNDER 37 C.F.R. § 1.196(c)

Mail Stop AF
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

In response to the recommendation under 37 C.F.R. § 1.196(c) at page 5 of the Decision on Appeal dated November 5, 2003, please consider the following amendment and remarks.

Amendments to the claims are reflected in the listing of claims beginning at page 2 and the Remarks begin on page 4.

CRAWFORD PLLC

CLIENT REF. NO. FT238401V

DATE SENT 11-24-03

INITIALS LMN

Exhibit B

In the Claims:

Please amend claims 1, 9, 12 and 19 as indicated below. This listing of claims replaces all prior versions.

1. (currently amended) A reticle sorter coupled between a reticle storing system and one or more photolithography exposure tools, comprising:

one or more bayslocations adapted for holding a cassette having slots for reticles;

a sorting system adapted for retrieving the reticles from and inserting the reticles into the slots in order to sort the reticles within the cassette; and

an inspection system, coupled between the one or more bayslocations and an input port of the reticle sorter, for inspecting a characteristic of each reticle.

2. (previously presented) The reticle sorter of claim 1, further including a controller coupled to the sorting system for controlling the sorting of the reticles in response to a command from a host system.

3. (previously presented) The reticle sorter of claim 1, further including a storage location for holding a reticle, wherein the sorting system may place a selected reticle on the storage location during a sorting operation.

4. (original) The reticle sorter of claim 1, wherein the sorting system includes an arm with claws for grasping edges of reticles.

5. (canceled)

6. (previously presented) The reticle sorter of claim 1, wherein the inspection system includes a video camera coupled to a display device for presenting a visual image of a reticle.

7. (previously presented) The reticle sorter of claim 1, wherein the inspection system includes a tool for measuring an amount of dust on a reticle.

8. (previously presented) The reticle sorter of claim 1, wherein the inspection system includes a tool adapted for detecting flaws in a reticle pattern.

9. (currently amended) The reticle sorter of claim 1, further including means for moving each of the cassettes from the input port to one of the one or more bayslocations.

10. (original) The reticle sorter of claim 1, wherein the sorting system includes two or more docking locations.

11. (previously presented) The reticle sorter of claim 10, wherein the sorting system is adapted to move reticles between a first cassette in a first one of the two or more docking locations and a second cassette in a second one of the two or more docking locations.

12. (currently amended) The reticle sorter of claim 1, including three or more bayslocations.

13-18. (canceled)

19. (currently amended) A reticle sorter coupled between a reticle storing system and one or more photolithography exposure tools, comprising:

one or more bayslocations adapted for holding a plurality of cassettes having slots for reticles; and

a sorting arrangement adapted for retrieving the reticles from and inserting the reticles into the slots so as to sort the reticles between cassettes.

Remarks

Favorable reconsideration of this application is requested in view of the following remarks. For the reasons set forth below, Appellant respectfully submits that the claimed invention is allowable over the cited references.

The Decision on Appeal dated November 5, 2003, indicated that the Section 112(2) rejection of claims 1-4, 6-9, 12 and 19 would be overcome if claims 1, 9, 12 and 19 are amended to change "bays" to -locations- or -docking locations-; and the Section 112(2) rejection of claims 10 and 11 would stand.

In accordance with the Board's recommendations under 37 C.F.R. § 1.196(c), Appellant has amended claims 1, 9, 12 and 19 to change the word "bays" to -locations- for each instance. Appellant requests that the Section 112(2) rejection of claims 1-4, 6-9, 12 and 19 be removed and the claims be allowed in view of the Board's recommendation

With respect to claims 10 and 11 (which depends from claim 10), Appellant interprets the Board's decision as sustaining the Section 112(2) rejection in the absence of the recommended amendments to claim 1. Claim 10 was rejected in connection with the term "docking locations" and its corresponding definition, which term has now been ruled not to be indefinite by the Board of Appeals. Claim 1, from which claim 10 depends, now includes the approved term "locations," therefore the "docking locations" of claim 10 further characterize the "locations" of claim 1. The "docking locations" of claim 10 are not indefinite according to the Decision on Appeal and the Section 112(2) rejection should be overcome with the above amendments.

If the above assumed interpretation of the Board's decision is not correct, Appellant respectfully requests clarification. If a brief teleconference would help to resolve any such issue, please call the undersigned at the telephone number below.

If necessary, authority is given to charge/credit Deposit Account 01-0365 (TT2354DIV) any fees/overages in support of this filing.

In view of the remarks above, Appellant believes that each of the rejections has been overcome and the application is in condition for allowance.

Should there be any remaining issues that could be readily addressed over the telephone, the Examiner is encouraged to contact the undersigned at (651) 686-6633.

Respectfully submitted,

CRAWFORD MAUNU PLLC
1270 Northland Drive, Suite 390
St. Paul, MN 55120
651/686-6633

Dated: November 24, 2003

By: 

Robert J. Crawford
Reg. No. 32,122



Post is hereby acknowledged for the following in
the U.S. Patent and Trademark Office:

Applicant Ryan *et al.*

Docket No.: AMDA.389DIV1

Date of Deposit: November 24, 2003

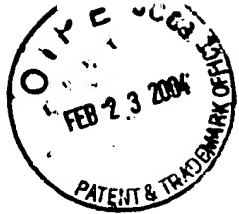
1. ☒ Amendment After Appeal Under 37 C.F.R.
§ 1.196(c)
2. ☒ Return Postcard

Patent

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SUITE 390
MENDOTA HEIGHTS, MN 55120



Receipt is hereby acknowledged for the following in
the U.S. Patent and Trademark Office:

Applicant Ryan *et al.*

Docket No.: AMDA.389DIV1

Date of Deposit: November 24, 2003

1. ☒ Amendment After Appeal Under 37 C.F.R.
§ 1.196(c)
2. ☒ Return Postcard

Patent



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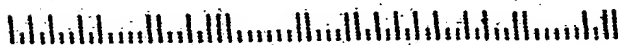


Exhibit C



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
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Alexandria, Virginia 22313-1450
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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/383,508	08/26/1999	PATRICK J. RYAN	AMDA.389DIV1	6687

7590 02/12/2004
CRAWFORD PLLC
1270 Northland Drive, Suite 390
St. Paul, MN 55120



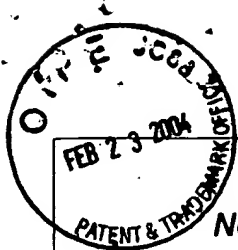
EXAMINER	
RODRIGUEZ, JOSEPH C	
ART UNIT	PAPER NUMBER
3653	

DATE MAILED: 02/12/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

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Exhibit D



SW

Notice of Abandonment

Application No.

09/383,508

Examiner

Joseph C Rodriguez

Applicant(s)

RYAN ET AL.

Art Unit

3653

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

This application is abandoned in view of:

1. ☐ Applicant's failure to timely file a proper reply to the Office letter mailed on _____.
 - (a) ☐ A reply was received on _____ (with a Certificate of Mailing or Transmission dated _____), which is after the expiration of the period for reply (including a total extension of time of _____ month(s)) which expired on _____.
 - (b) ☐ A proposed reply was received on _____, but it does not constitute a proper reply under 37 CFR 1.113 (a) to the final rejection.
(A proper reply under 37 CFR 1.113 to a final rejection consists only of: (1) a timely filed amendment which places the application in condition for allowance; (2) a timely filed Notice of Appeal (with appeal fee); or (3) a timely filed Request for Continued Examination (RCE) in compliance with 37 CFR 1.114).
 - (c) ☐ A reply was received on _____ but it does not constitute a proper reply, or a bona fide attempt at a proper reply, to the non-final rejection. See 37 CFR 1.85(a) and 1.111. (See explanation in box 7 below).
 - (d) ☐ No reply has been received.
2. ☐ Applicant's failure to timely pay the required issue fee and publication fee, if applicable, within the statutory period of three months from the mailing date of the Notice of Allowance (PTOL-85).
 - (a) ☐ The issue fee and publication fee, if applicable, was received on _____ (with a Certificate of Mailing or Transmission dated _____), which is after the expiration of the statutory period for payment of the issue fee (and publication fee) set in the Notice of Allowance (PTOL-85).
 - (b) ☐ The submitted fee of \$ _____ is insufficient. A balance of \$ _____ is due.
The issue fee required by 37 CFR 1.18 is \$ _____. The publication fee, if required by 37 CFR 1.18(d), is \$ _____.
 - (c) ☐ The issue fee and publication fee, if applicable, has not been received.
3. ☐ Applicant's failure to timely file corrected drawings as required by, and within the three-month period set in, the Notice of Allowability (PTO-37).
 - (a) ☐ Proposed corrected drawings were received on _____ (with a Certificate of Mailing or Transmission dated _____), which is after the expiration of the period for reply.
 - (b) ☐ No corrected drawings have been received.
4. ☐ The letter of express abandonment which is signed by the attorney or agent of record, the assignee of the entire interest, or all of the applicants.
5. ☐ The letter of express abandonment which is signed by an attorney or agent (acting in a representative capacity under 37 CFR 1.34(a)) upon the filing of a continuing application.
6. ☒ The decision by the Board of Patent Appeals and Interference rendered on 11/5/03 and because the period for seeking court review of the decision has expired and there are no allowed claims.
7. ☐ The reason(s) below:

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DONALD P. WALSH
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 3600

Petitions to revive under 37 CFR 1.137(a) or (b), or requests to withdraw the holding of abandonment under 37 CFR 1.181, should be promptly filed to minimize any negative effects on patent term.



02-24-04

9/200 DAE
PATENT 3653

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Ryan et al. Examiner: Rodriguez, J.
Serial No.: 09/383,508 Group Art Unit: 3653
Appeal No.: 2003-0931
Filed: August 26, 1999 Docket No.: AMDA.389DIV1
Title: RETICLE SORTER

CERTIFICATE UNDER 37 CFR 1.10
Express Mail® mailing label number: EV 381019572 US
Date of Deposit: February 23, 2004
I hereby certify that this paper or fee is being deposited with the United States Postal Service 'Express Mail Post Office To Addressee' service under 37 CFR 1.10 and is addressed to Mail Stop Petition, Commissioner for Patents, P.O. Box 1450, Washington, D.C. 22313-1450.
By: Jennifer L. Larson
Name: Jennifer L. Larson

Mail Stop Petition
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

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We are transmitting herewith the attached:

- ☒ Petition to Withdraw Holding of Abandonment, pages 1-2, with Exhibits A - D.
- ☒ Transmittal sheet containing Certificate under 37 CFR 1.10.
- ☒ 1 Return Postcard.
- ☒ If required by this filing, herein is authorization to charge Deposit Account No. 01-0365 (TT2354-DIV) all requisite fees.

Direct all correspondence to the address below:

CRAWFORD MAUNU PLLC
1270 Northland Drive, Suite 390
St. Paul, MN 55120
(651) 686-6633

By: Robert J. Crawford
Name: Robert J. Crawford
Reg. No.: 32,122